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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIDMATIONAL
 APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/538,176	06/09/2005	Chikamasa Yama	04676.0184-00000	1747
	7590 10/04/200 IENDERSON, FARAE	7 BOW, GARRETT & DUNNER	EXAM	INER
LLP		,	ALI, SHUMAYA B	
	RK AVENUE, NW N, DC 20001-4413		ART UNIT F	PAPER NUMBER
			3771	
			MAIL DATE	DELIVERY MODE
			10/04/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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		Application No.	Applicant(s)				
		10/538,176	YAMA ET AL.				
	Office Action Summary	Examiner	Art Unit				
		Shumaya B. Ali	3771				
Period fo	The MAILING DATE of this communication apport Reply	pears on the cover sheet w	rith the correspondence add	ress			
WHI(- Exte after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPL CHEVER IS LONGER, FROM THE MAILING D Insions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period tre to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailined patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNI (36(a). In no event, however, may a will apply and will expire SIX (6) MOI e, cause the application to become A	CATION. reply be timely filed NTHS from the mailing date of this con BANDONED (35 U.S.C. § 133).				
Status							
1)⊠	Responsive to communication(s) filed on 20 J	uly 2007.					
2a)	This action is FINAL . 2b)⊠ This	s action is non-final.					
3)	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims		•				
4)🛛	Claim(s) 1-11 is/are pending in the application	l.					
	4a) Of the above claim(s) is/are withdra	wn from consideration.					
5)🖂	Claim(s) 10 and 11 is/are allowed.						
· · · · · · · · · · · · · · · · · · ·	Claim(s) <u>1-7 and 9</u> is/are rejected.	. '	•				
· —	Claim(s) <u>8</u> is/are objected to.						
8)[]	Claim(s) are subject to restriction and/c	or election requirement.					
Applicat	ion Papers						
9)[The specification is objected to by the Examine	er.	•				
10)	10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11)	Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex	•		• •			
Priority (under 35 U.S.C. § 119						
12)	Acknowledgment is made of a claim for foreign	priority under 35 U.S.C.	§ 119(a)-(d) or (f).				
a)	☐ All b)☐ Some * c)☐ None of:						
	1. Certified copies of the priority document						
	2. Certified copies of the priority document		· · · · · · · · · · · · · · · · · · ·	M =			
	 Copies of the certified copies of the prior application from the International Burea 	•	received in this National S	otage			
* 6	See the attached detailed Office action for a list	, , , ,	received				
Attachmer	nt(s)		·				
	ce of References Cited (PTO-892)		Summary (PTO-413)				
3) Infor	ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08)	5) Notice of	(s)/Mail Date Informal Patent Application				
Pape	er No(s)/Mail Date	6) 🛄 Other:					

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DETAILED ACTION

Status of Claims

In response to the office action mailed on 4/9/07, Applicant has amended claims 2 and 4. Currently claims 1-11 are pending in the instant application.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Smith et al. US 5,785,049 in view of Sladek US 6,039,042.

As to claims 1 and 4, Smith discloses (see figs 1 and 2) an inhalation device for transpulmonary administration comprising: a chamber (12) for containing a pharmaceutical composition which is pulverized into fine particles by an air-generated impact for dispersal in

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air; an air inlet flow path (44) for introducing to the chamber outside air to apply the airgenerated impact to the pharmaceutical composition and for injecting the outside air toward the pharmaceutical composition; an inhalation flow path (46) having a suction port (a port at the open end of 46 in fluid communication with the chamber 12) located inside the chamber to inhale the pulverized pharmaceutical composition; a housing (11) for accommodating the chamber, the air inlet flow path, and the inhalation flow path; a mouthpiece (32) provided at one end of the housing, the mouthpiece being provided with a mouth-side flow path (air channel though mouthpiece 32) which communicates with the inhalation flow path. Smith however lacks an auxiliary flow path. However, Sladek teaches a mouthpiece with an auxiliary flow path (fig.6, path through 24). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Smith in order to provide an auxiliary flow path because it is known in the art as taught by Sladek. Smith further discloses the inhalation device for transpulmonary administration is configured such that the air-generated impact is applied to the pharmaceutical composition by the outside air which flows into the chamber by inhalationinduced pressure generated when a user (patient) inhales air, and the pulverized pharmaceutical (col.11, lines 34-56).

As to claims 2 and 6, Sladek teaches a divider (fig.6, 16) having an orifice (fig.6, 17).

As to claim 3, Sladek teaches a plurality of dividers (fig.6, 16s).

As to claim 5, Sladek teaches an air outlet (fig.6, opening though 24) which opens into the mouth side flow path.

As to claim 7, Sladek teaches a flow path length of the orifice is formed to be elongated to the air discharge direction of the mouth-side flow path (see fig 6).

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Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Smith et al. US 5,785,049 and Sladek US 6,039,042 and in view of Praud US 5,497,765.

As to claim 9, Smith lacks a check valve. However Praud teaches an inhaler with a check valve (fig. 1, 23). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Smith in order to provide a check valve because it is known in the art as taught by Praud.

Allowable Subject Matter

Claim 8 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 10 and 11 are allowable over the prior art of record.

Response to Arguments

Applicant's arguments with respect to claim 1-11 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shumaya B. Ali whose telephone number is 571-272-6088. The examiner can normally be reached on M-W-F 8:30am-5:00 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Justine Yu can be reached on 571-272-4835. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Shumaya B. A

Examiner

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SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER 3700

(0/1/07